EXCELENT

DESIGNED BY DR. Y. NINOMIYA

COLLECTION SERIES



Dr. Yasuaki Ninomiya was awarded the Grand Prize in both the flight time and distance divisions at the First International Paper Airplane Contest (Pacific Basin Division) in San Francisco in 1967 and served as a judge in the Second Great International Paper Airplane Contest in Seattle in 1985.

Models EXCELLENT PAPER AIRPLAN **Assembly Kit for**

■Kit includes the following gliders



Racer 512 Finch



Racer 517 Ptarmigan



Light Plane 304 Thrasher

INDUSTRIES, INC.

3832 148TH AVE,, N.E. REDMOND, WA 98052 U.S.A. PHONE: (206) 885-4599 FAX: (206) 885-4672



Racer 513 Meadowlark



Racer 518 Cardinal



Boeing 747



Racer 514 Goose



ight Plane 301 Flycatcher

ight Plane 302 Oriole



Wright FLYER



Racer 516 Mockingbird



Light Plane 303 Bluebird



General Dynamics F-16 FIGHTING FALCON

WINNIE MAE(Lockheed VEGA)

(60 pages) Assembly, flight, and design directions Instruction booklet



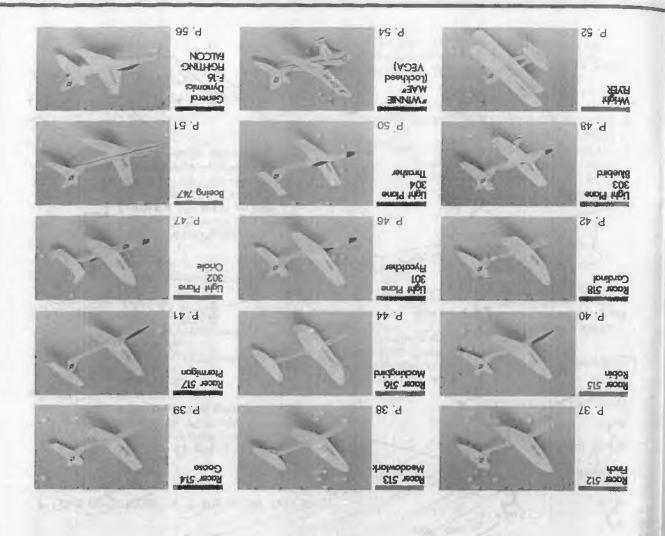
FLYING FUN FOR EVERYONE

When you fly your plane please keep the following in mind.

*Launch your plane in a large area away from people who might get hit.
*Don't fly your plane where cars will be passing by.

GLUE NOT INCLUDED) Catapult All necessary parts Stock No. AG1501 ■Also included: Rubber band Weights

11-16, 1-CHOME, NISHINAKAJI YODOGAWA-KU, OSAKA, JAPAI PHONE: 06-303-8001 DESIGN PATENT PENDING © 1986 Yasuaki Ninomiya All rights reserved Reproduction prohibited PRINTED IN JAPAN



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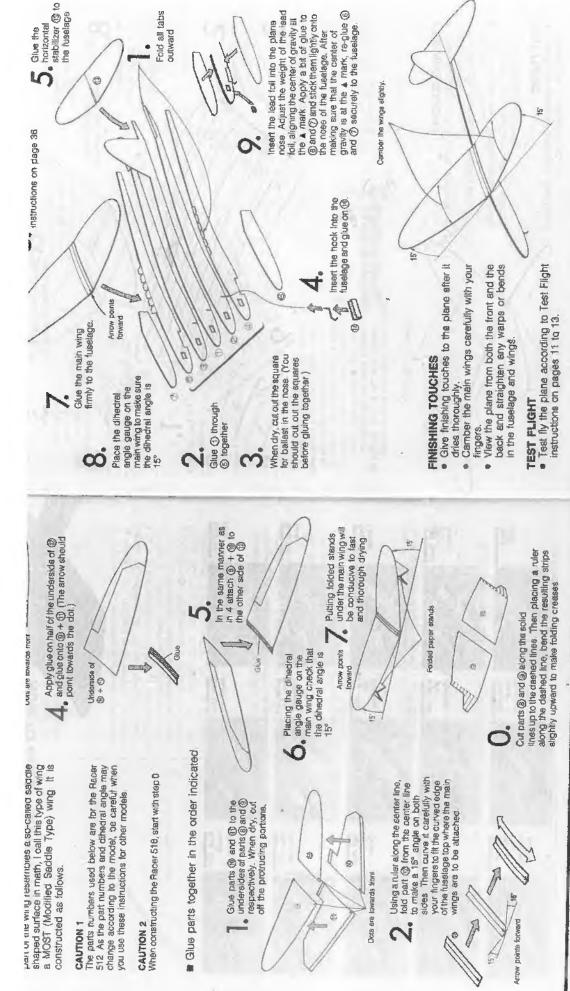
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Hilv

HOW TO BUILD "WHITEWINGS"







 View the plane from both the front and the back and straighten any warps or bends

fingers.

View the plane from both the front and the

back and straighten any warps or bends

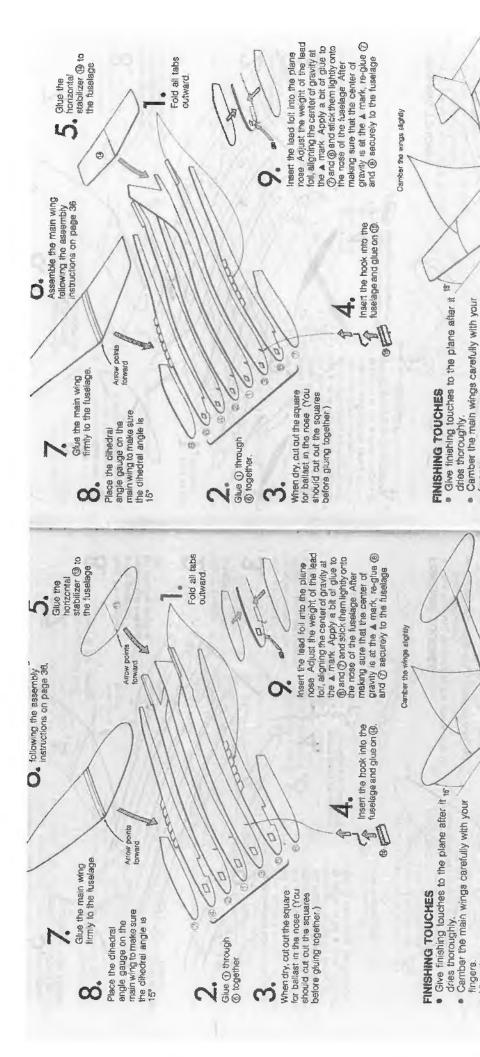
in the fuselage and wings

TEST FLIGHT

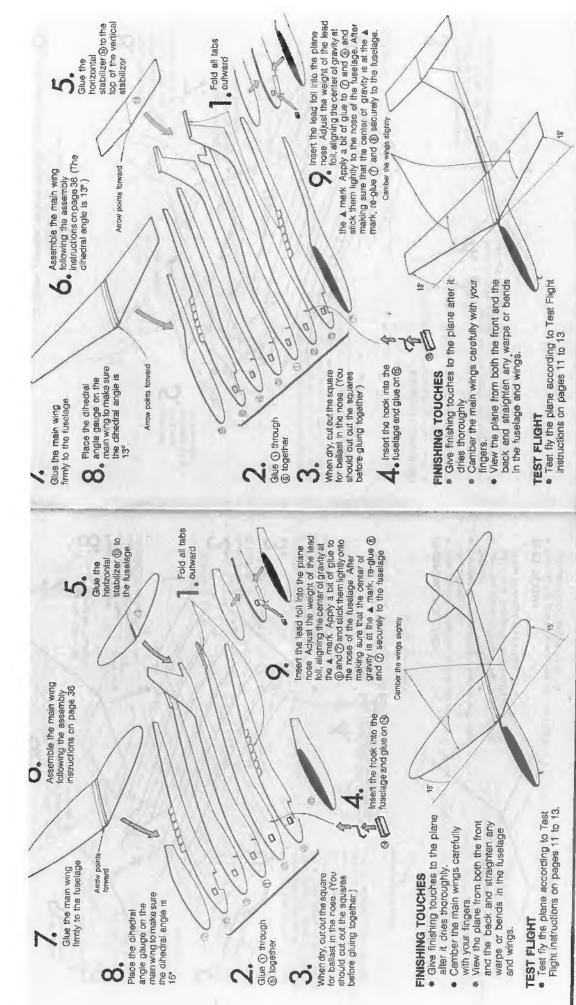
in the tuselage and wings.

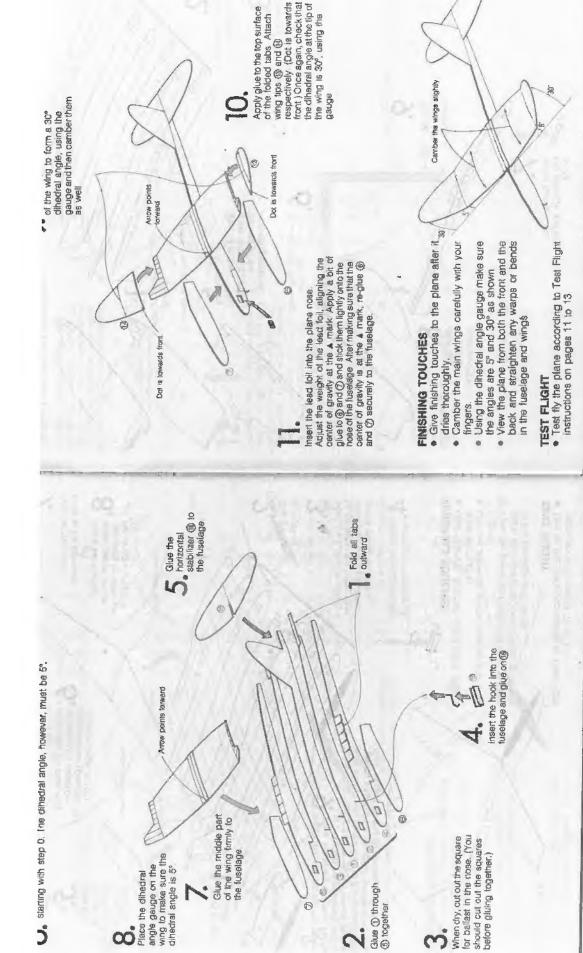
TEST FLIGHT

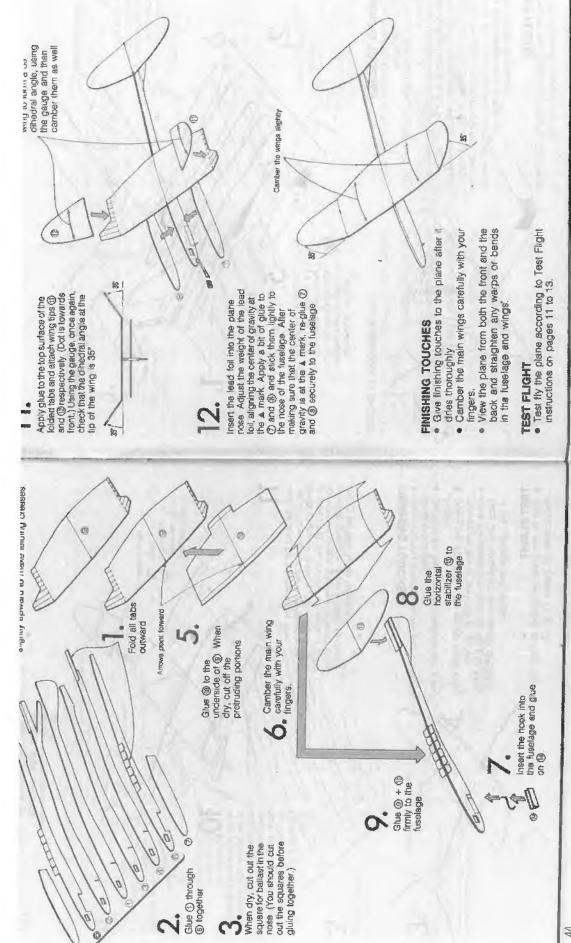
 Test fly the plane according to Test Flight instructions on pages 11 to 13.



Test fly the plane according to Test Flight instructions on pages 11 to 13.











Glue @ + @ + @ firmly to the fuselage

Placing a ruler along the center line of the main wing, make an approximately 15° dihedral angle

Fold all tabs

outward.

and glue it firmly to the fuselage

Camber the wings slightly

Fold both tabs of the horizontal stabilizer @ as shown

9

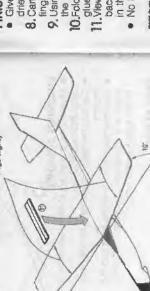
Glue the vertical stabilizers (i) and (i) to the tabs of (ii) aligning the arrows on the vertical stabilizers with the folded tab lines

on the horizontal stabilizer

- Give finishing touches to the plane after it dries thoroughly.
 - 6. Camber the main wing slightly with your fingers.
- 7. Using the dihedral angle gauge make sure the dihedral angle is 10°.
- 8. Fold (3 up slightly along the center line and glue it onto the center of the main wing.
 9. View the plane from both the front and the back and straighten any warps or bends in the fuselage and wings.
 - No ballast is needed.

TEST FLIGHT

Test fly the plane according to Test Flight instructions on pages 11 to 13.

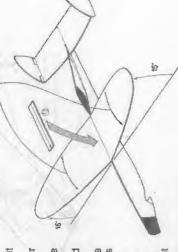


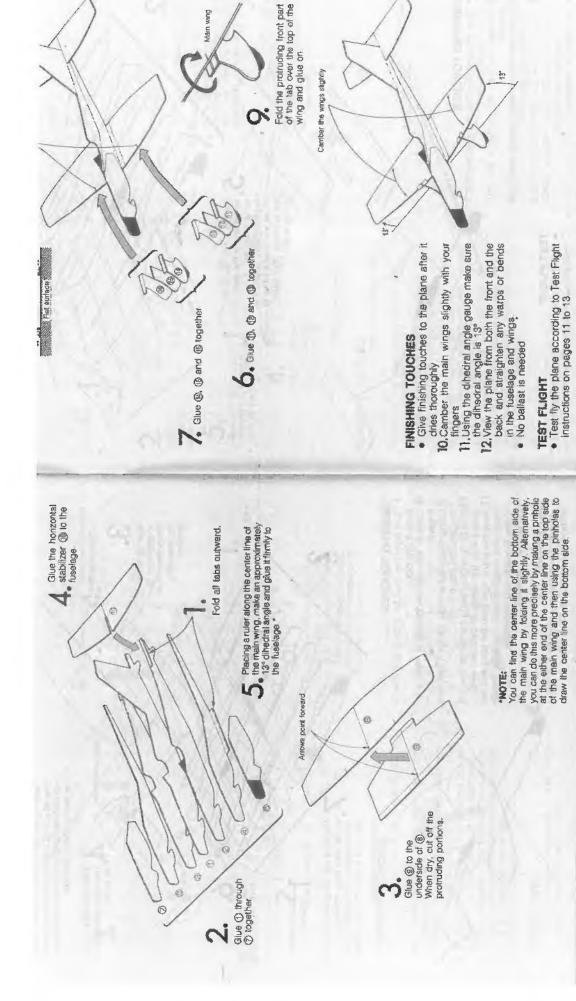
FINISHING TOUCHES

- Give finishing touches to the plane after it dries thoroughly.
 - 8. Camber the main wings slightly with your 9. Using the dihedral angle gauge make sure fingers
- 10. Fold (up slightly along the center line and the dihedral angle is 15°
- glue it onto the center of the main wing. back and straighten any warps or bends in the fuselage and the wings No ballast is needed.

TEST FLIGHT

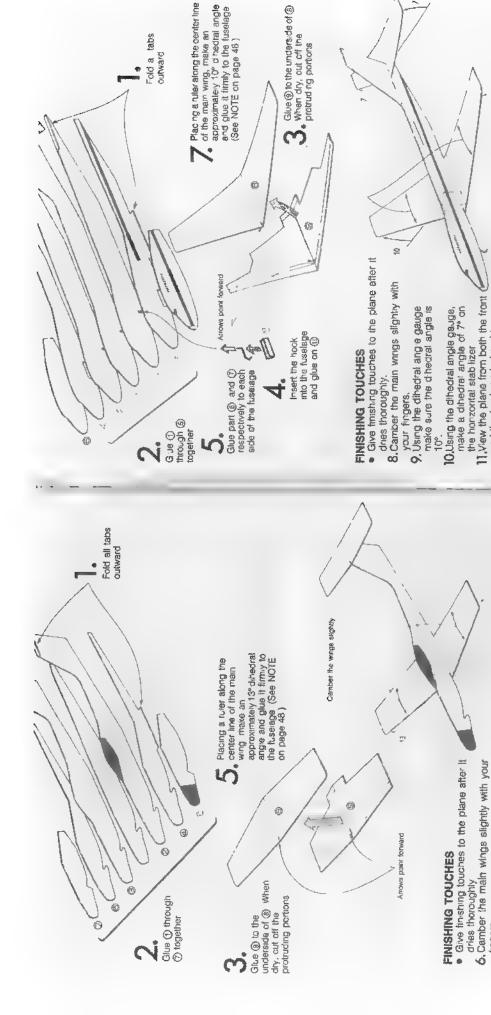
Test fly the plane according to Test Flight instructions on pages 11 to 13,







10



TEST FLIGHT

• Test fly the plane according to Test Fight instructions on pages 11 to 13

TEST FLIGHT

7. Using the dihedral angle gauge make sure the dihedral angle is 13° 8, View the plane from both the front and the back and straighten any warps or bends

fingers

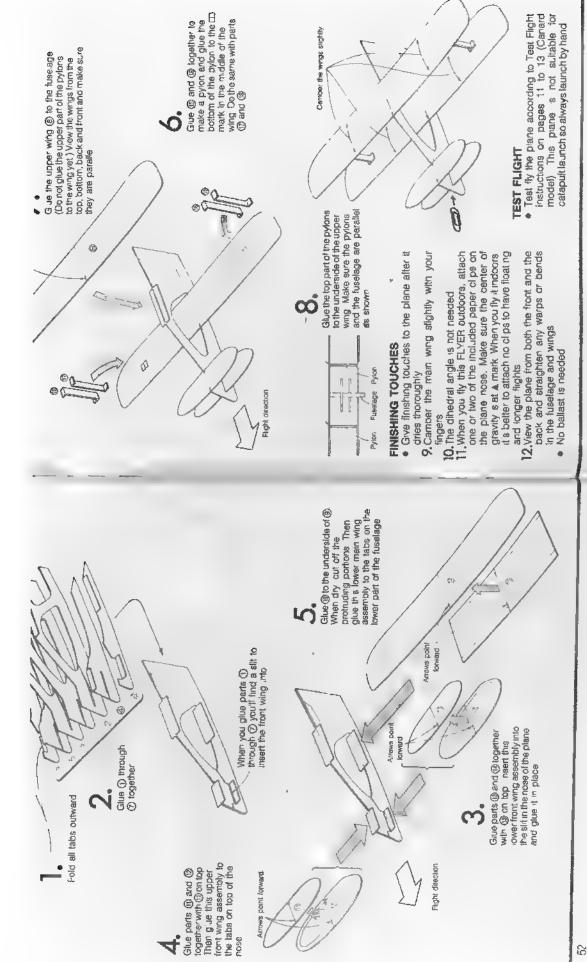
and the back and straighten any warps

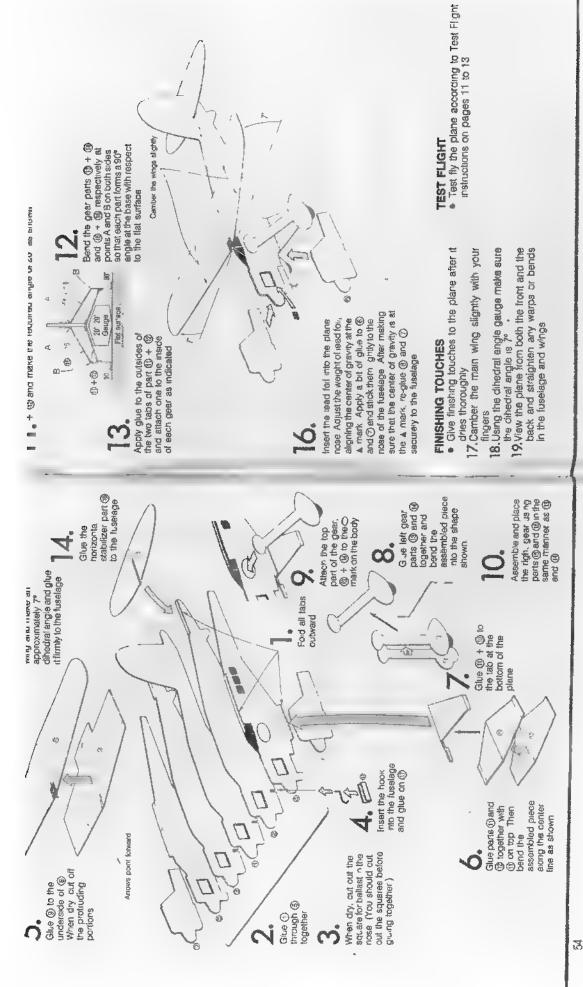
or bends in the fuse age and wings,

No bailast s needed

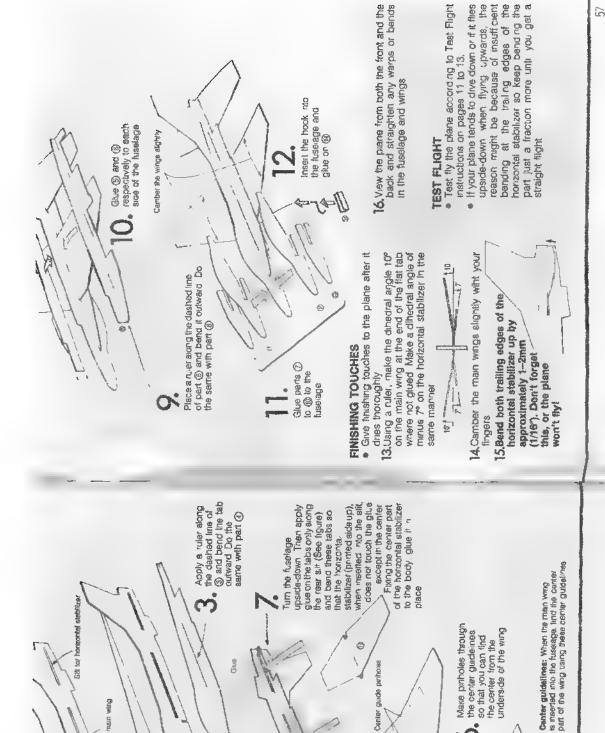
Test fly the prane according to Test Fight Instructions on pages 11 to 13

in the fuselage and wings. No ballast is needed









0

main wing to the body in the same way as with the horizontal

insert and glue the

down, so that logo is visible when plane is pinholes as the center

flown Again use the

time, with printed side

stabilizer except this

Center guide perholes

Gine

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are not covered by parts @ and @.
Furthermore, the top edges of @ and @ should be flar with that

of (1) + (2)

 ∞

@ + ⊕

Gue (a) and (a) onto each side of the body (1) + (2) so that the slits

(1)

be inserted

Se for

Glue () and (2) together and let it dry

Ð O O

Cut out the two slits into which the wing and the horizontal stabilizer wi

the center guidelines so that you can find the center from the underside of the wing Make pinholes through

0

underside of (1) When dry. Glue @ to the

protruding cut off the

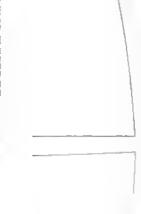
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Arrows point forward

Arrow points forward

Dots are towards front.







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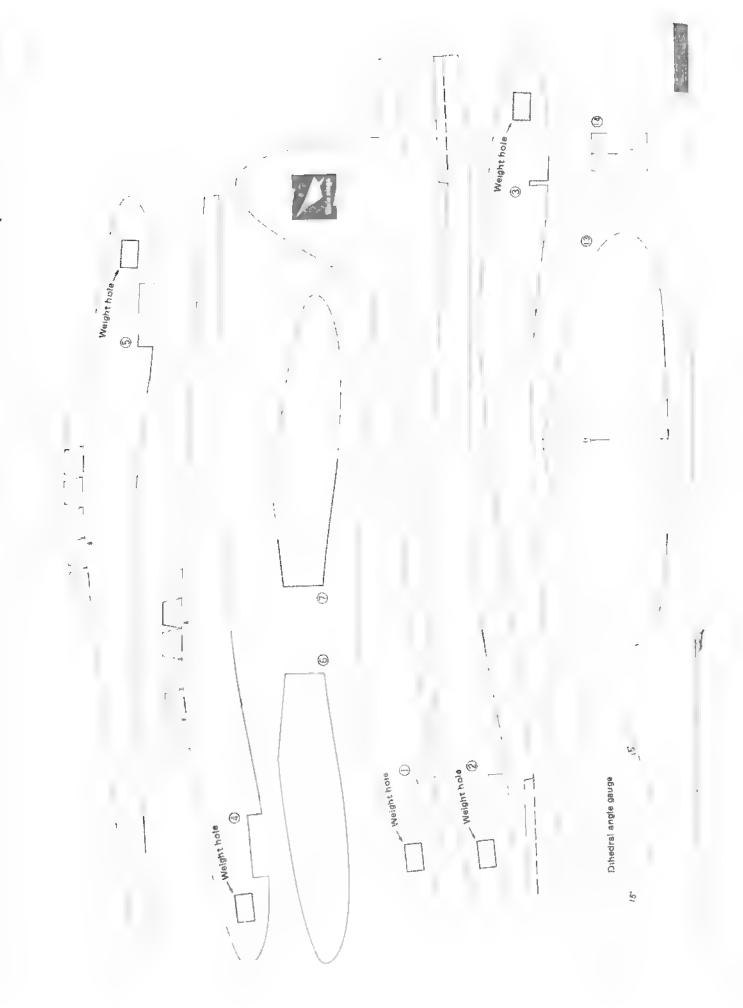


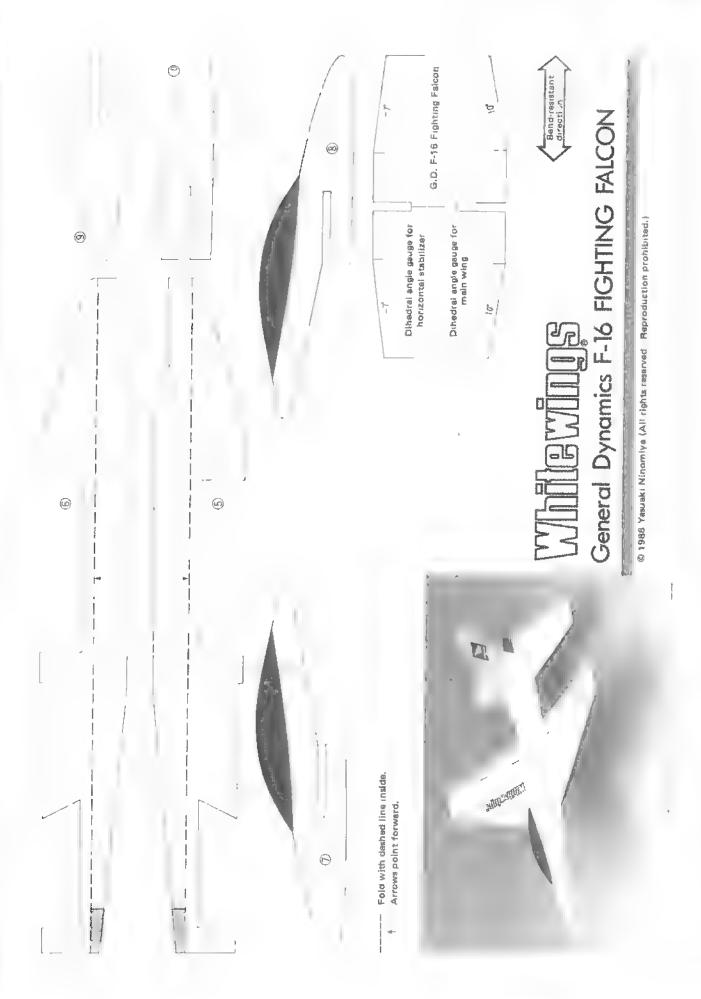


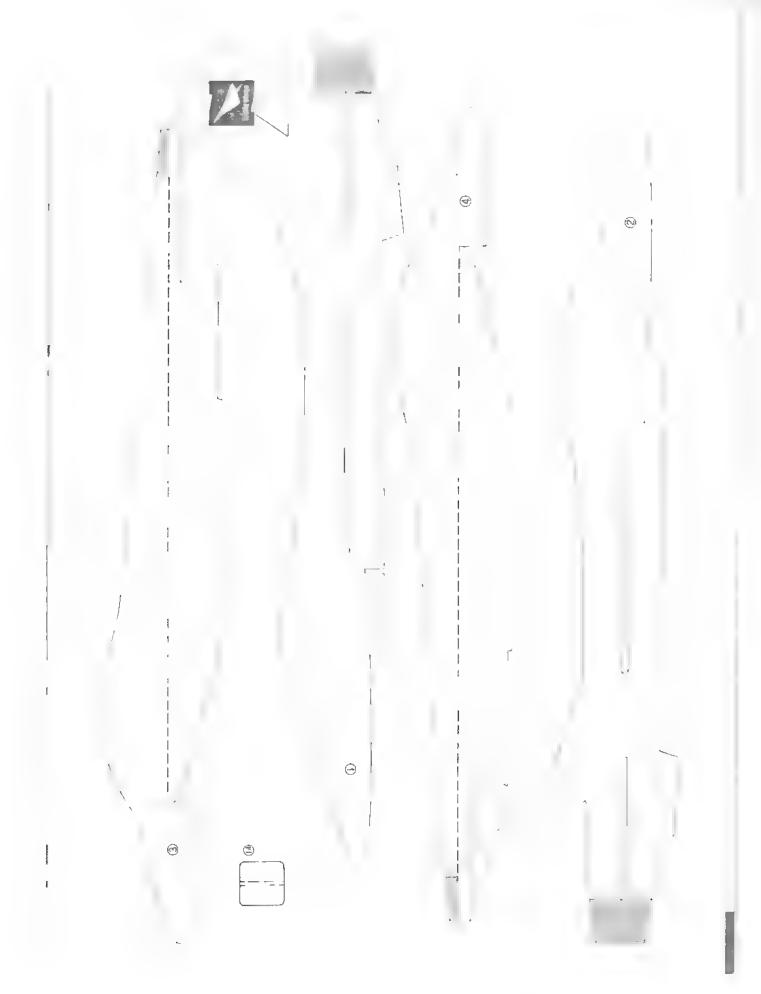


WINDERVIEW
Racer 512 Finch

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Arrows point forward. When the main wing is inserted into the faseiage find the center part of the wing using these center guidelines. Arrow points forward - Center guidalines - Canter guidelines (2) Seneral Dynamics F-16 FIGHTING FALCON - Arrow points forward. (2) Center guidalines-Center guidelines (<u>.</u>)

Arrow points forward.

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Arrow points forward.

front

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- Arraw points ferward.

©

(3)

(2)

U

W.201.AN

Ford with dashed line Inside, Arrows point forward.

"WINNIE MAE" (Lockheed VEGA)

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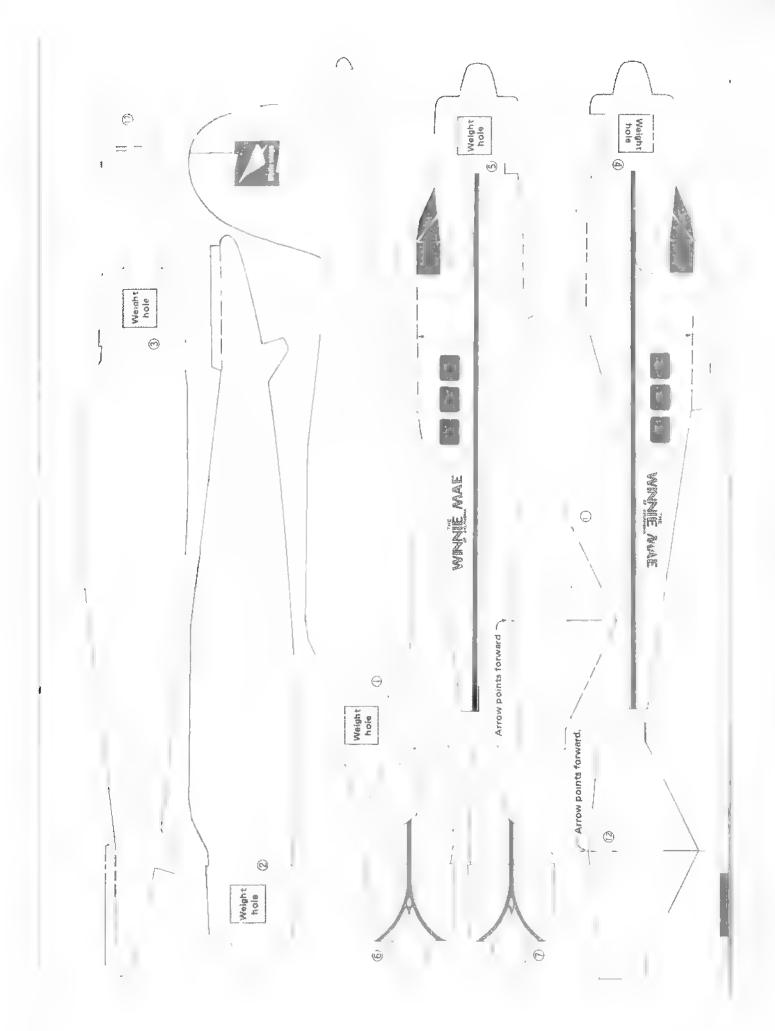
50

6

200 Angle gauge for landing gear strut

WINNIE MAE

Dihedral angle gauge for main wing



9

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Cut along the solid lines to the dashed line and fold the teb outward

0

C

1

6

Cut along the solid lines to the dashed line and fold the tab outward



 Fold with dashed line inside Arrows point forward.



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(4) (2) (2) Cut this part out. 0 Θ Cut this part out. Cut this part out.

6 (00) Arrow points forward Center guidelines Arrow points forward. ~ Arrow points forward. ~ IIIIS Wright FLYER ٥ Arrow points forward.

Arrows point forward

Bend-resistant

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9

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Fold with deshed line inside. Arrows point forward, Arrow points forward

STATE OF A

WILLEWILLS Boeing 747

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Arraw points forward

Arrow points forward.

9

- Arrow points forward.

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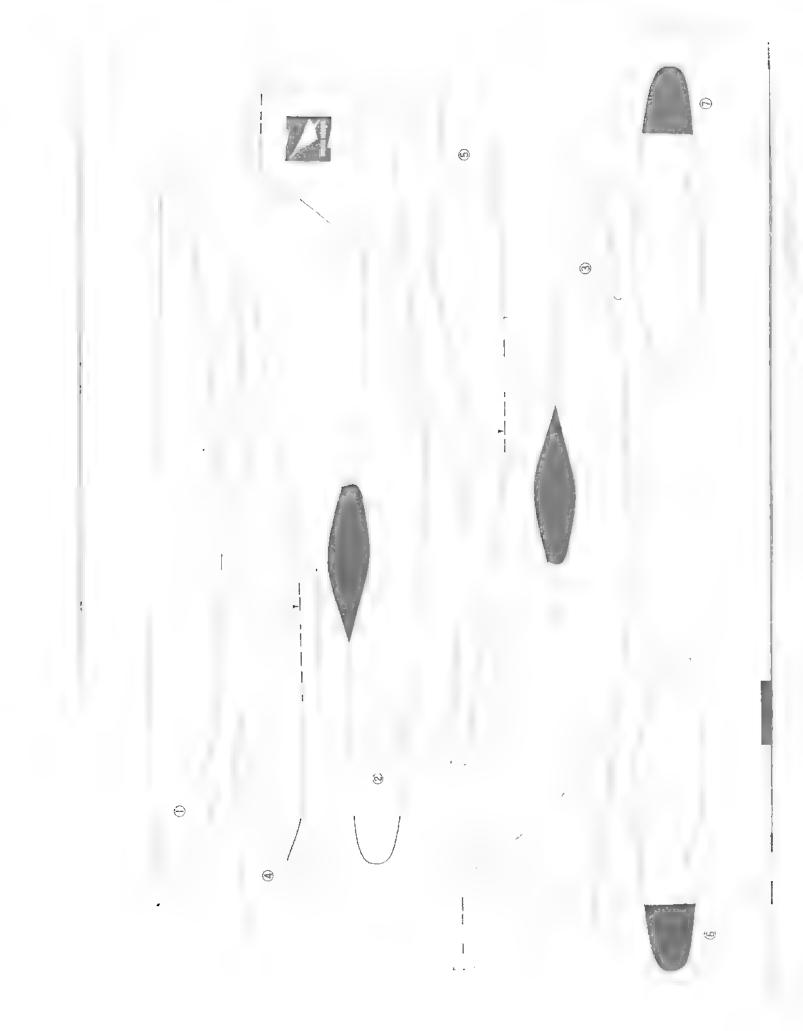
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Dihedral sngle gauge

Light Plane 304 Thrasher

Arrows point forward.

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Arrow points forward. 💉 Landing gear strut position mark. Landing gear strut position mark. <

60

Arrow points forward

0

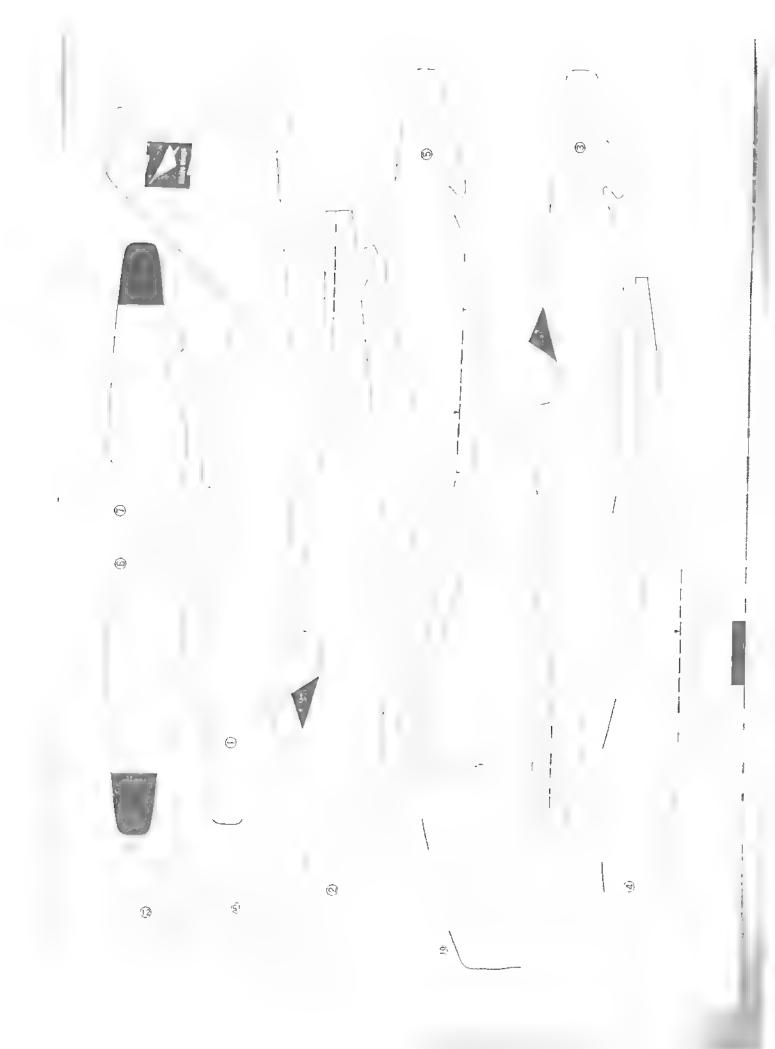
Dihedral angle gauge

Light Plane 303 Bluebird

Fold with dashed line inside.
 Arrows point forward.



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Arrow points forward.

®

Cut along the sol.d line, up to the dashed line,

Arrow points forward. —

Cut along the solid lines up to the dashed line. -

Arraw points forward. -

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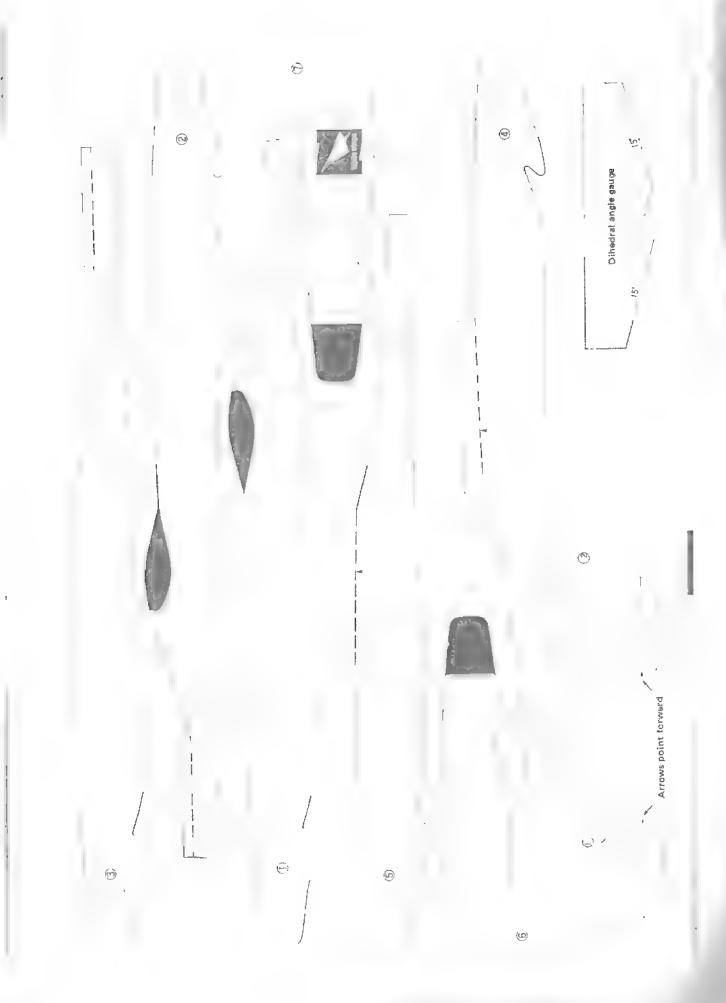
Light Plane 302 Oriole

SHIPPER MARKET

-- Fold with dashed line inside.
Arrows point forward.



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Arrow points forward.

Arrow points forward.

Arrow points forward.

⊕

Light Plane 301 Flycatcher

3 TOTAL TOTAL

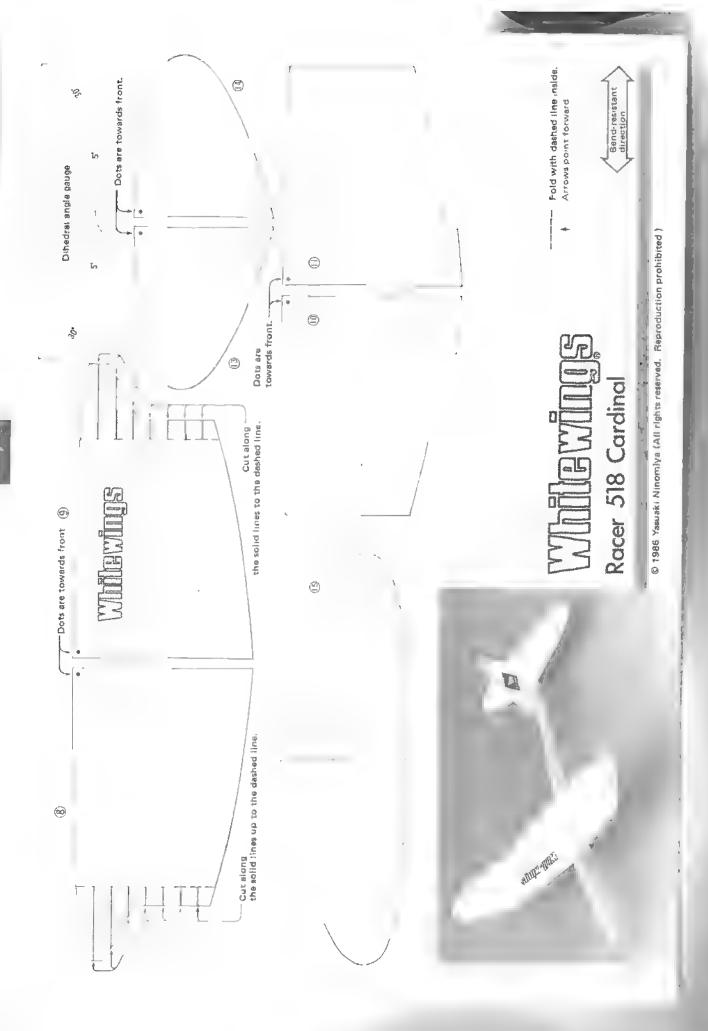
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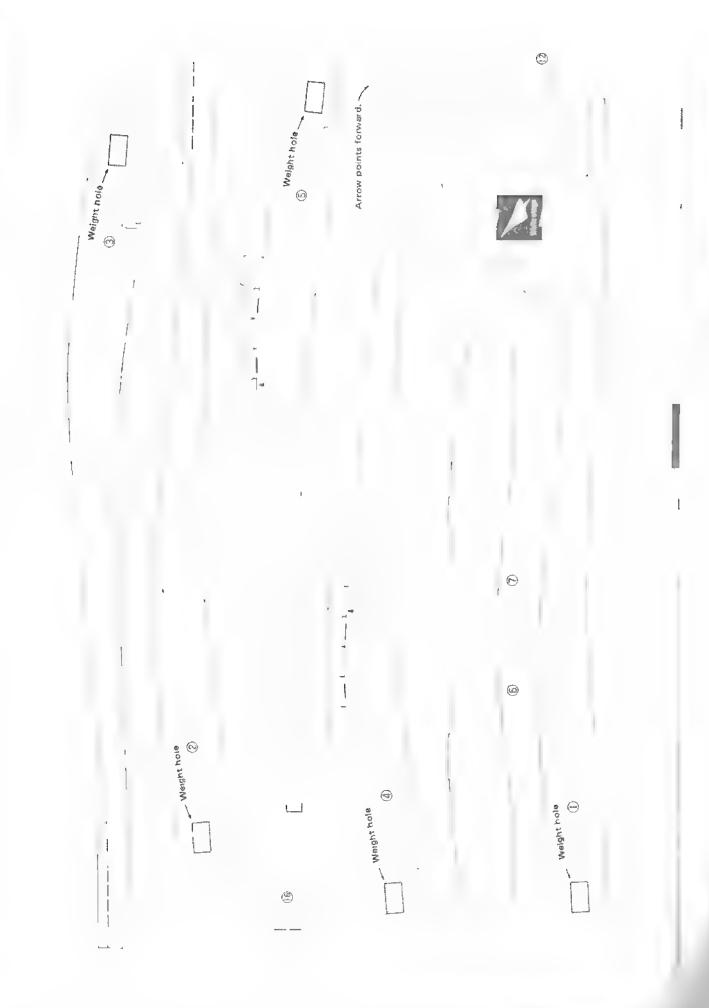
Arrows point forward



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Dihedral angle gauge 0 10. 6 **(3)** \ominus 0 ⊕





Dot Is towards front.

Arrow points forward

(1)

6

Dot is towards front.

9

Dot is towards front.

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Dirhedrai engie gauge

5

Arrow points forward.

٧

---- Fold with dashed line inside. Arrows point forward

Bend-resistent direction

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Racer 517 Ptarmigan



Arrow paints forward. ~

- Dots are towards front.

> Arrow points forward. --- Cut atong the solid lines up to the dashed line.

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Cut along the solid lines up-to the dashed line.

Arrow points forward.

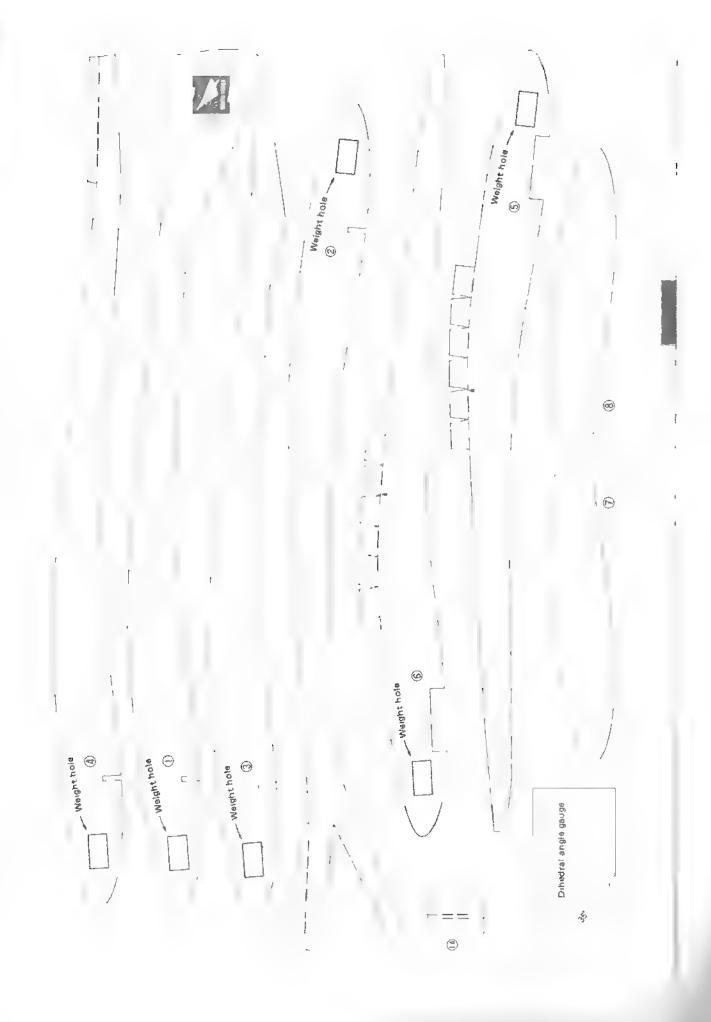
(2)

-- Fold with dashed line inside. Arrows point forward,

Bend resistant direction

Racer 516 Mockingbird

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Dot is towards front. Arrow points forward

_ Dot Is towards front. (2) Dot is towards front. Dot is towards frant. 6

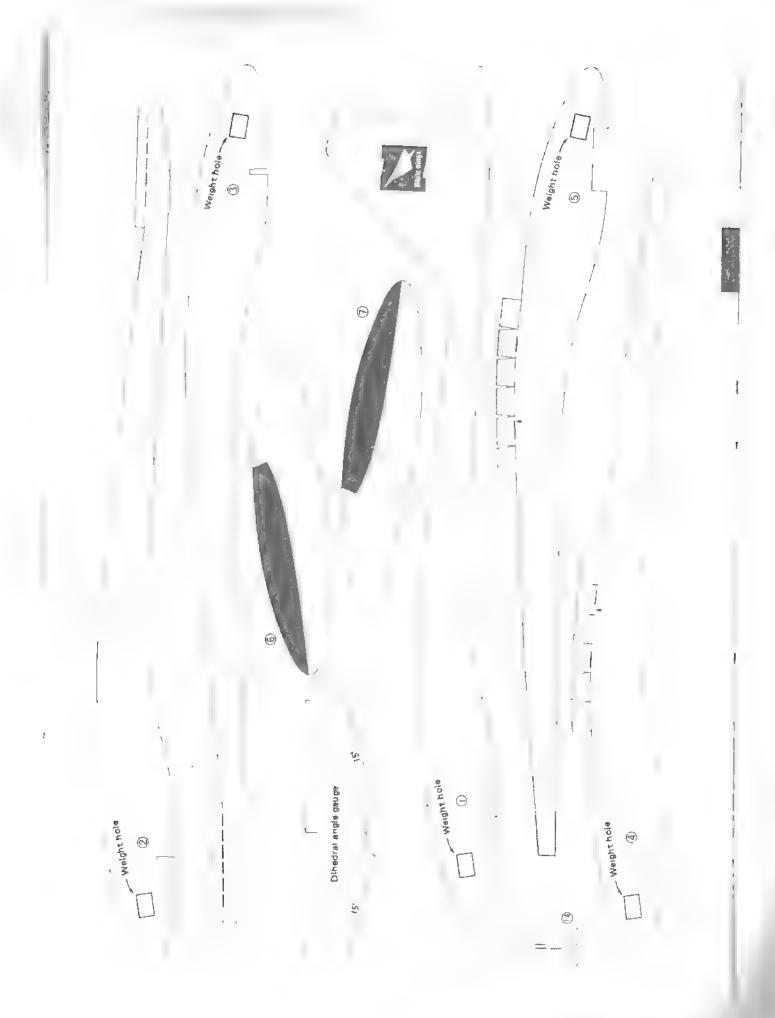
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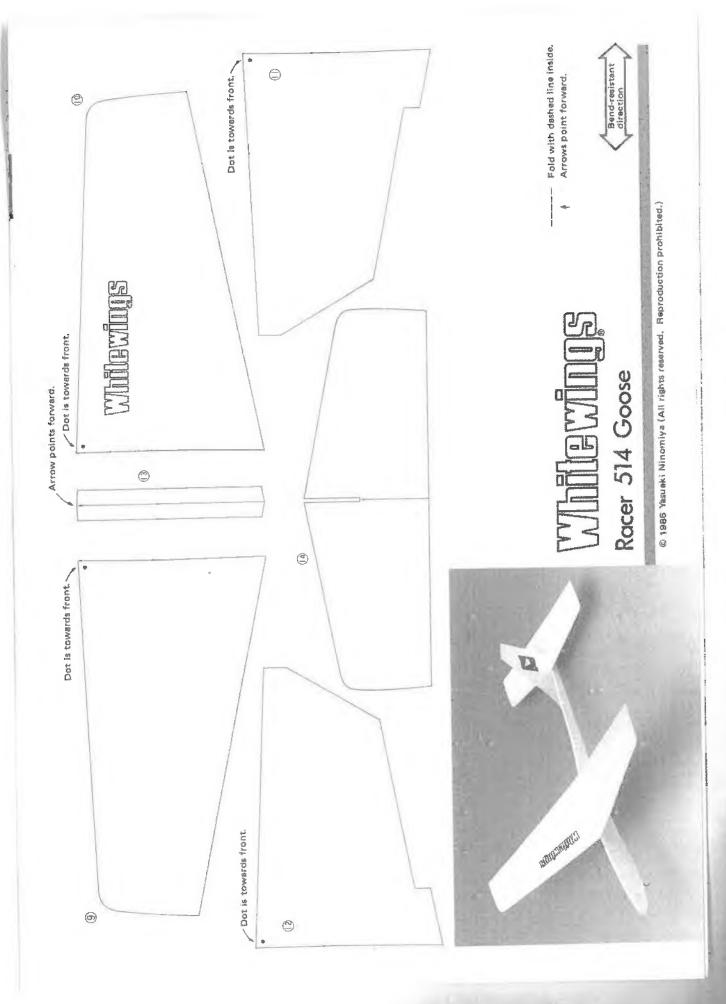
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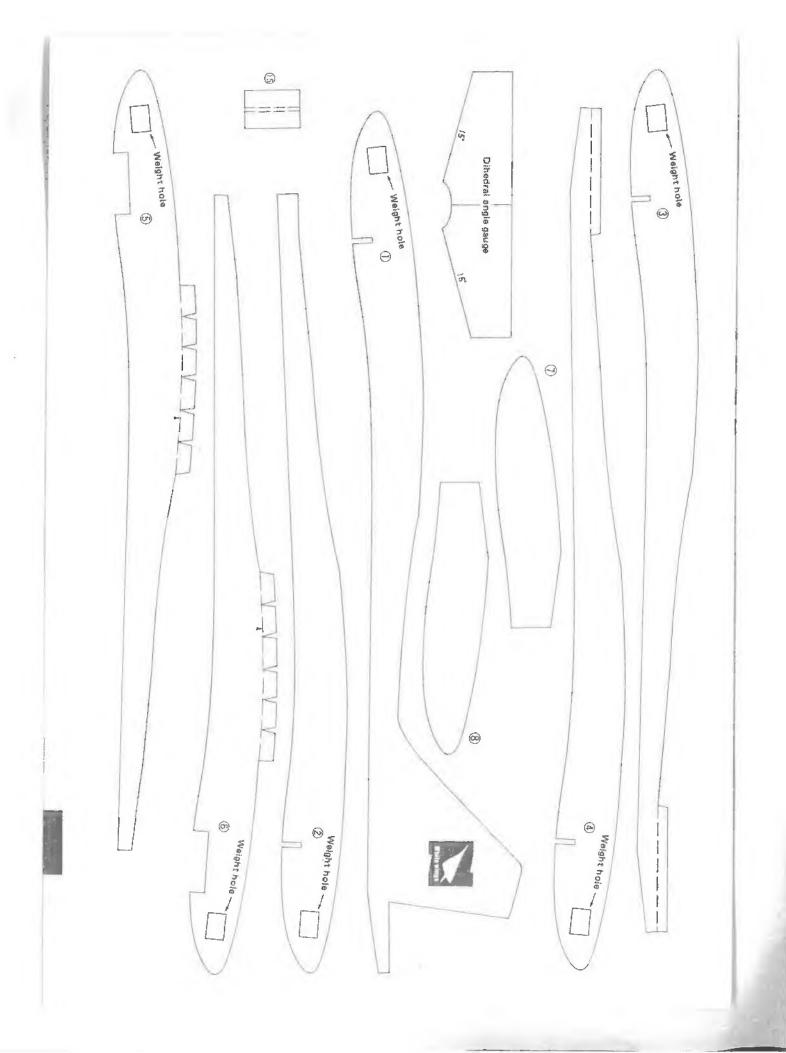


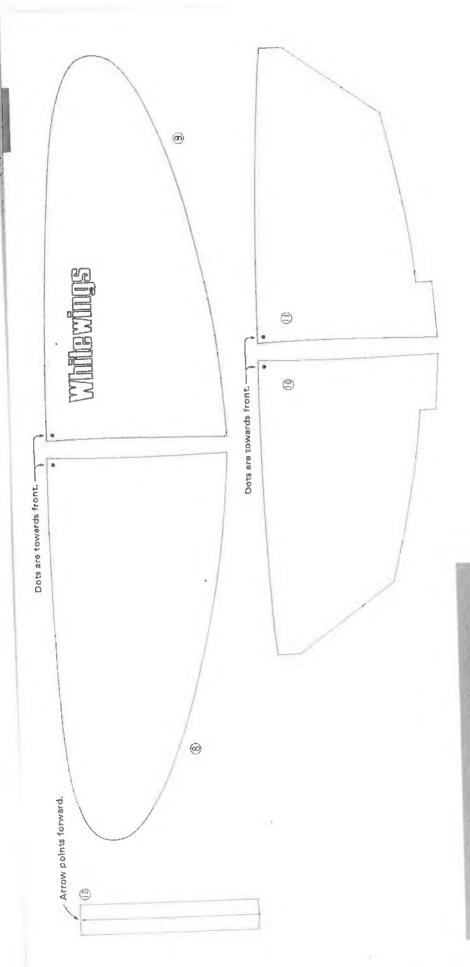
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Racer 515 Robin









Millerilles Racer 513 Meadowlark

--- Fold with dashed line inside.
Arrows point forward.



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